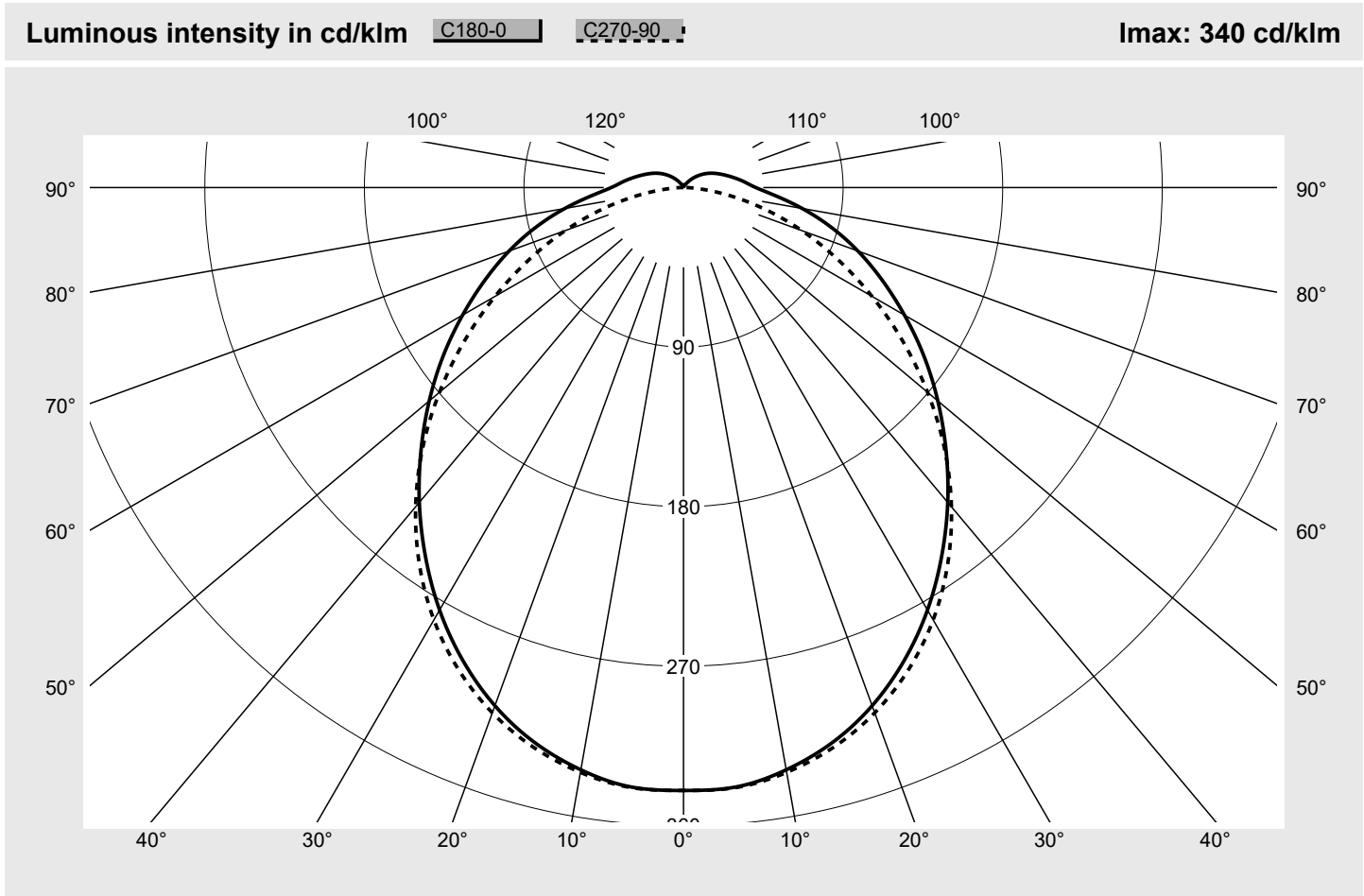


Photometric test report

Family Monsun® 11	Order number: 51FE10DP460M EAN: 4069025268594	LP number 58939_174
	Version	prismatic diffuser, opal, PMMA, wide distribution
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 6370 lm Power consumption = 34.5 W Luminous efficacy = 184.6 lm/W
		serial documentation 30.09.2024
		siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 4 1	η_{LB}	100.0%
CIE	N1=47 N2=77 N3=93	ϕ_u	94.2%
	N4=94 N5=100	ϕ_o	5.8%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Monsun® 11	Order number: 51FE10DP460M EAN: 4069025268594	LP number 58939_174
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C- planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm							Luminous flux in lm/klm	
0°	340.1	340.1	340.1	340.1	340.1	340.1	340.1	2.0	2.0
5°	339.4	338.3	336.5	337.9	339.5	339.4	339.8	16.2	18.2
10°	333.5	333.0	331.2	332.8	334.6	334.7	335.0	31.7	49.9
15°	324.2	324.2	322.5	324.2	326.1	326.4	326.9	46.1	96.0
20°	311.0	311.6	310.1	311.9	314.1	314.7	315.3	58.6	154.6
25°	294.4	295.4	294.1	296.0	298.4	299.4	300.2	68.7	223.4
30°	275.2	276.6	275.1	276.8	279.4	280.7	281.6	76.1	299.5
35°	253.9	255.2	253.8	254.9	257.1	258.4	259.7	80.5	380.0
40°	231.8	232.9	231.3	231.1	232.5	233.8	235.1	81.9	461.9
45°	209.4	209.9	207.8	205.9	206.1	206.6	208.2	80.4	542.4
50°	187.2	187.1	184.8	181.3	179.3	178.3	179.7	76.6	619.0
55°	165.5	164.8	162.1	157.0	153.1	150.2	150.9	70.7	689.7
60°	143.9	142.9	139.5	133.7	127.9	123.2	122.7	63.3	753.0
65°	123.6	122.5	117.8	111.0	104.2	97.9	96.0	54.9	808.0
70°	104.7	103.3	97.1	89.4	81.7	74.3	71.0	45.8	853.8
75°	86.1	84.4	77.8	69.2	60.2	52.2	47.8	36.3	890.0
80°	68.0	66.1	60.2	50.5	40.7	32.1	26.9	26.7	916.7
85°	51.8	50.0	44.6	35.3	24.7	15.7	10.1	18.3	935.0
90°	40.8	39.2	34.4	26.0	15.9	6.9	1.8	13.1	948.2
95°	34.8	33.5	29.7	22.7	13.6	5.1	1.6	11.2	959.3
100°	29.9	28.8	25.4	19.2	11.3	3.7	1.4	9.4	968.7
105°	25.7	24.7	21.4	16.1	8.8	2.4	1.2	7.7	976.4
110°	22.1	20.9	18.0	13.0	6.6	1.4	1.1	6.1	982.5
115°	19.0	17.8	15.0	10.4	4.7	1.2	1.1	4.9	987.4
120°	16.0	14.8	12.2	7.9	3.1	1.2	1.0	3.8	991.2
125°	13.0	11.9	9.4	5.6	1.7	1.1	0.9	2.7	993.9
130°	10.1	9.1	6.9	3.7	1.4	1.1	1.0	1.9	995.9
135°	7.3	6.5	4.6	2.1	1.4	1.1	1.1	1.3	997.1
140°	4.8	4.1	2.7	1.7	1.4	1.1	1.1	0.8	998.0
145°	2.6	2.3	1.9	1.7	1.4	1.2	1.2	0.5	998.5
150°	2.0	2.0	1.9	1.6	1.3	1.3	1.3	0.4	998.9
155°	1.9	1.9	1.7	1.6	1.4	1.4	1.4	0.4	999.3
160°	1.7	1.7	1.6	1.4	1.4	1.4	1.4	0.3	999.6
165°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.2	999.8
170°	1.3	1.4	1.4	1.4	1.4	1.4	1.4	0.1	999.9
175°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.1	1000.0
180°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1000.0

Photometric test report

Family Monsun® 11			Order number: 51FE10DP460M EAN: 4069025268594							LP number 58939_174		
UGR-Table										Standard room		siteco
Reflection factor of ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		View crosswise (C0)					View endwise (C90)					
x	y											
2H	2H	20.3	22.0	20.6	22.3	22.6	20.2	21.9	20.6	22.2	22.6	
	3H	22.0	23.5	22.4	23.9	24.2	21.6	23.2	22.0	23.5	23.8	
	4H	22.8	24.3	23.2	24.6	25.0	22.1	23.6	22.5	23.9	24.3	
	6H	23.6	24.9	24.0	25.3	25.7	22.5	23.9	22.9	24.2	24.6	
	8H	23.9	25.2	24.4	25.6	26.0	22.6	23.9	23.1	24.3	24.7	
	12H	24.2	25.4	24.7	25.8	26.2	22.7	23.9	23.1	24.3	24.7	
4H	2H	20.9	22.4	21.3	22.8	23.1	20.9	22.4	21.3	22.7	23.1	
	3H	22.9	24.1	23.3	24.5	24.9	22.5	23.8	22.9	24.1	24.5	
	4H	23.8	25.0	24.3	25.4	25.8	23.2	24.3	23.6	24.7	25.1	
	6H	24.8	25.8	25.2	26.2	26.6	23.6	24.6	24.1	25.1	25.5	
	8H	25.2	26.1	25.6	26.5	27.0	23.8	24.7	24.2	25.1	25.6	
	12H	25.6	26.4	26.1	26.9	27.4	23.9	24.7	24.4	25.2	25.6	
8H	4H	24.2	25.1	24.6	25.5	26.0	23.6	24.5	24.0	24.9	25.4	
	6H	25.3	26.0	25.7	26.5	27.0	24.2	24.9	24.7	25.4	25.9	
	8H	25.8	26.5	26.3	27.0	27.5	24.4	25.1	24.9	25.6	26.1	
	12H	26.3	26.9	26.9	27.4	28.0	24.6	25.1	25.1	25.6	26.2	
12H	4H	24.2	25.0	24.7	25.5	26.0	23.7	24.5	24.1	24.9	25.4	
	6H	25.3	26.0	25.8	26.5	27.0	24.3	25.0	24.8	25.5	26.0	
	8H	25.9	26.5	26.4	27.0	27.6	24.6	25.2	25.1	25.7	26.2	

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1590 B = 87	H(C0) = 21 H(C90) = 21	H(C180) = 21 H(C270) = 21
C-planes	γ	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
			Luminance in cd/m²					
45°		10983.7	11051.8	11132.6	11365.4	11856.0	12512.6	13380.6
50°		10417.3	10455.9	10534.1	10694.8	11099.3	11722.8	12673.9
55°		9878.1	9889.6	9950.2	10028.6	10341.2	10886.1	11888.4
60°		9345.3	9337.4	9353.6	9383.3	9589.4	10039.4	11050.4
65°		8876.8	8855.4	8780.5	8724.8	8847.3	9185.9	10172.7
70°		8474.5	8426.6	8208.0	8052.9	8067.3	8287.1	9229.7
75°		8055.1	7979.1	7673.0	7361.7	7179.1	7253.2	8108.7
80°		7610.6	7484.3	7177.5	6624.2	6162.9	5957.8	6631.0
85°		7286.3	7132.0	6798.5	6104.8	5189.2	4446.4	4631.0

Photometric test report

Family
Monsun® 11

Order number: 51FE10DP460M
EAN: 4069025268594

LP number
58939_174

Luminance values in cd/m²

γ 65°

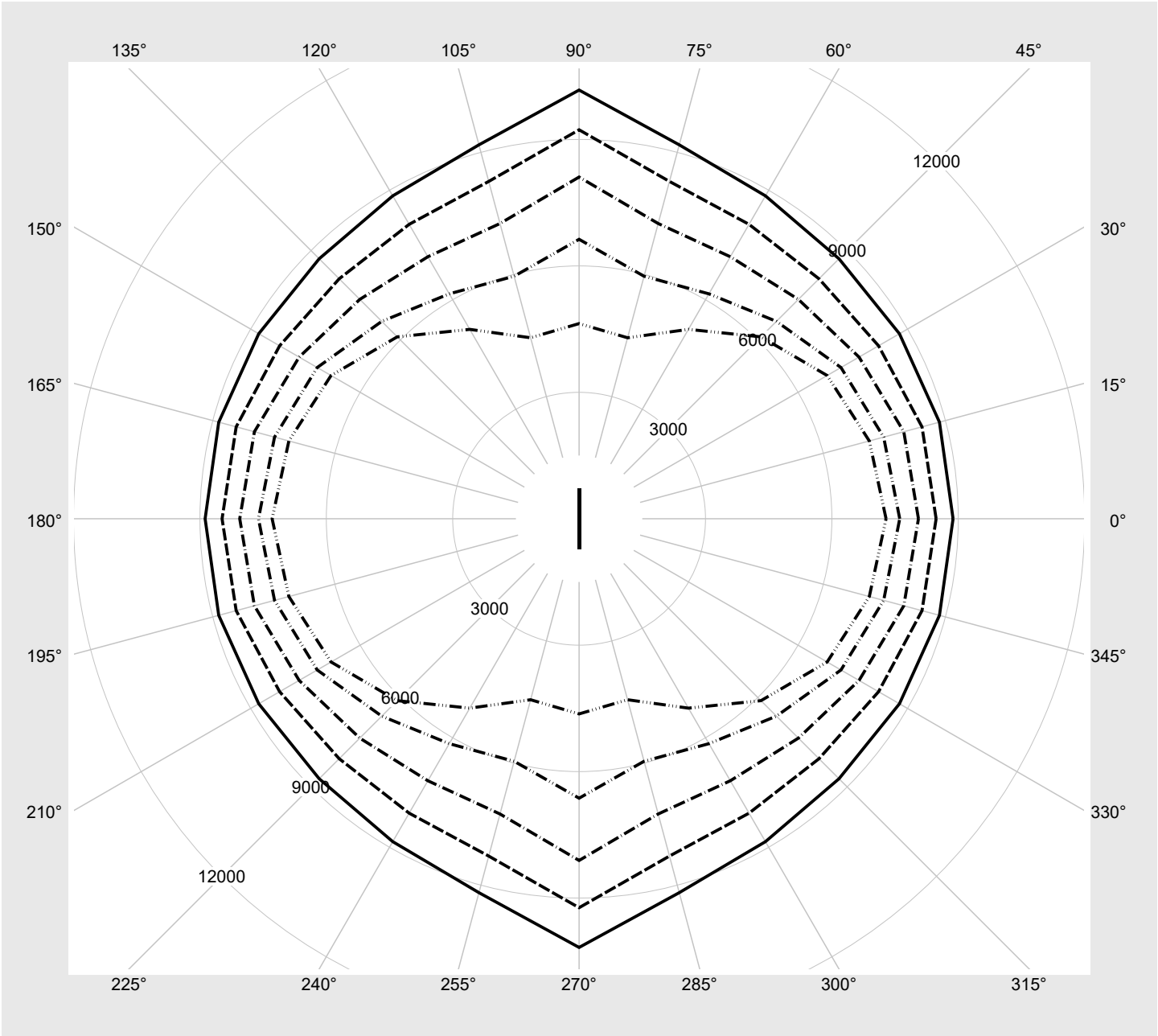
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Monsun® 11	Order number: 51FE10DP460M EAN: 4069025268594	LP number 58939_174
Dimming levels table		environmental temperature: 25°C
		siteco

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	6370	34.5
95	240	252	6041	32.6
90	227	250	5731	30.9
85	214	248	5420	29.2
80	201	245	5107	27.4
75	187	243	4768	25.6
70	174	240	4450	23.9
65	161	237	4132	22.2
60	148	234	3810	20.5
55	136	231	3511	18.9
50	123	227	3185	17.2
45	110	223	2858	15.5
40	98	219	2553	13.9
35	85	214	2219	12.1
30	73	208	1913	10.6
25	61	202	1601	8.9
20	49	194	1287	7.3
15	36	182	944	5.5
10	24	168	624	3.7
5	13	145	328	2.1
3	8	127	194	1.3